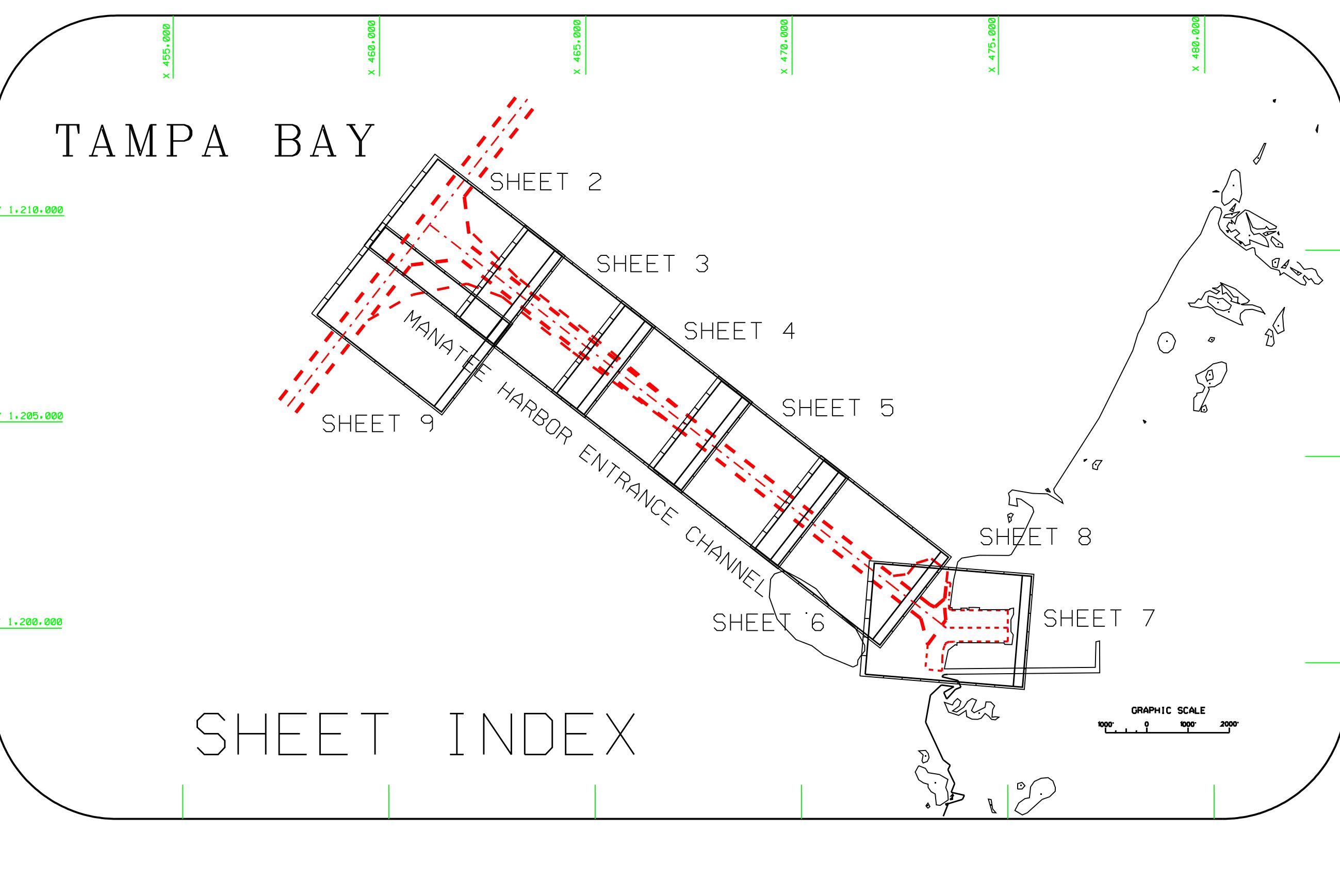
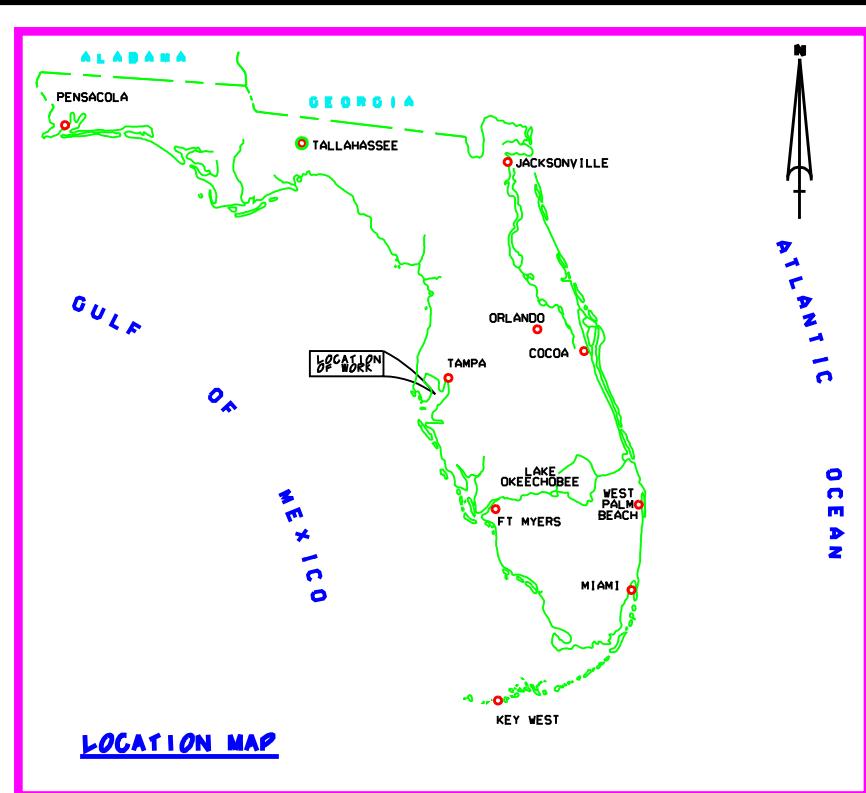


A B C D E F G H

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MANATEE HARBOR, FLORIDA PROJECT CONDITION SURVEY (HIGH FREQUENCY COMPILATION)



SURVEY NOTES

- REFER TO SURVEY NO. 06-064. THIS IS A COMPILED SURVEY OF SURVEYS 05-167 AND 06-038.
- ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER (MLLW) WHICH IS 0.81 FEET BELOW NGVD 1929.
- ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (-) SIGN.
- TIDAL REDUCTIONS WERE MADE FROM THE NOAA PORTS GAUGE LOCATED AT THE BANACAL TERMINAL OF PORT MANATEE FOR THE MULTI-BEAM SURVEY DONE BY THE S/V FLORIDA AND FROM A STAFF SET ON A LADDER POST ON A BULKHEAD IN THE VICINITY OF, AND REFERENCED FROM, BENCHMARK *COE MAN H-5) FOR THE SINGLE BEAM SURVEY DONE BY WB-34.
- PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE WEST ZONE OF FLORIDA AND REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD83).
- ALL AZIMUTHS ARE GRID, RECKONED CLOCKWISE FROM SOUTH.
- ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
- SURVEY WAS PERFORMED USING DIFFERENTIAL GPS FOR POSITIONING AND UTILIZING THE USCZ NAVBEACON SYSTEM AS THE REFERENCE SITE. VERTICAL MEASUREMENTS WERE MADE USING A RESON MULTI-BEAM ECHOSOUNDER WITH A 200KHZ (HIGH FREQUENCY) HULL-MOUNTED TRANSDUCER AND A ROSS SMART SONAR DEPTH RECORDER WITH A 200KHZ (HIGH FREQUENCY) TRANSDUCER.
- AIDS TO NAVIGATION FROM SURVEY 05-167.
- THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED ABOVE AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS AT THAT TIME. THIS CHART IS SOLELY FOR THE DISTRIBUTION OF AVAILABLE DEPTHS AT THE TIME OF THE SURVEY AND IS NOT TO BE USED FOR NAVIGATION.
- SURVEY ACCURACY PERFORMANCE STANDARDS, QUALITY CONTROL, AND QUALITY ASSURANCE REQUIREMENTS WERE FOLLOWED DURING THIS SURVEY IN ACCORDANCE WITH USACE EM 1110-2-1003. HYDROGRAPHIC SURVEY 1 JAN 02.

FILE NAME	DESIGNED BY	DATE OF SURVEY	CUT
06-064-SHEET 1	FLORIDA	26-27 SEP 2005	ENT. CHANNEL, TURNING BASIN
	WB-34	29-30 NOV - 01 DEC 2005	TURNING BASIN

9. AIDS TO NAVIGATION FROM SURVEY 05-167.

10. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED ABOVE AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS AT THAT TIME. THIS CHART IS SOLELY FOR THE DISTRIBUTION OF AVAILABLE DEPTHS AT THE TIME OF THE SURVEY AND IS NOT TO BE USED FOR NAVIGATION.

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